

## 1. Experimental Parameters


# Rxns:	5
# Rxns Prepared:	6

## 2. Master Mix Calculations

Ingredient	1 Rxn Vol (μL)	Total Vol Needed (μL)
10X Buffer	5	30
dNTP	8	48
50% glycerol	10	60
Formamide	2.5	15
<b>Total</b>	<b>25.5</b>	<b>153</b>

## 3. PCR Reaction Volumes (μL)

Ingredient	Tube 1	Tube 2	Tube 3	Tube 4	Tube 5 (-ve ctrl)
Master Mix (μL)	25.5	25.5	25.5	25.5	25.5
Primer Set 1 (μL)	5	5	0	0	5
Primer Set 2 (μL)	0	0	5	5	0
DNA 1 (μL)	5	0	5	0	0
DNA 2 (μL)	0	5	0	5	0
SDW (dH <sub>2</sub> O) (μL)	14	14	14	14	19
Taq pol. (μL)	0.5	0.5	0.5	0.5	0.5
<b>Total Vol. (μL)</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>



1. Vortex and put PCR rxn tube into larger μ-fuge tube with a Kimwipe plug, and then spin for 10s.
2. Put on ice until Part 2 completed